



TESCO METERING

Reliable Results. Every Meter. Every Time.

Product Information Sheet



925 Canal Street, Bristol, PA 19007
• 215.228.0500
• tescometering.com

Field Testing
Catalog No.

T3

Turbo Meter Tester

APPLICATIONS & USE CASES

- Field verification of newly installed meters
- Annual or periodic audit programs
- Technician qualification and proficiency evaluations
- Troubleshooting questionable meter performance
- Rapid testing for QA and compliance checks
- Commissioning of service upgrades and replacements



T3 IOS App



T3 Android App

ABOUT TESCO

Since 1904, TESCO has been the trusted partner of electric utilities worldwide, delivering durable, precise, and innovative metering solutions designed for the real-world demands of the field and the laboratory. Our products are engineered and manufactured in the USA and backed by world-class technical expertise and support.

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DISCLAIMER

TESCO Metering reserves the right to modify product designs, specifications, features, and documentation at any time as part of our continuous improvement process. All information is provided "as is" and may change without prior notice. While TESCO® strives for accuracy, completeness, and technical reliability, customers should verify the latest product details before making purchasing or engineering decisions. For confirmation of current specifications or application suitability, please contact TESCO® directly.



ORDERING INFORMATION

Catalog No.: T3

Included: Tester, handheld interface, optic pickup, fuses, carrying case, 2S adapter, user manual

Optional Accessories: Additional optic pickups, spare handhelds, replacement cables

Warranty: 2 Years (Contact your TESCO Sales Representative to inquire about our Diamond Level Support for extended warranty coverage).

Contact TESCO Sales for configuration options and quotes.



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PRODUCT INTRODUCTION

The TESCO T3 Turbo Meter Tester (Catalog No. T3) is the definitive field-ready solution for testing self-contained electric meters with unmatched accuracy, speed, and ease of use. Designed for meter technicians who demand precision and reliability, the T3 combines advanced metrology, rugged construction, and intuitive operation into one lightweight, portable tool that delivers lab-grade performance in the field.

Whether verifying newly installed meters, validating questionable readings, performing routine audits, or supporting troubleshooting activities, the T3 ensures reliable, repeatable results every time. Built around TESCO's legacy of engineering excellence, the T3 empowers utilities to ensure safe, accurate, and dependable metering at every endpoint.

AT-A-GLANCE SUMMARY

- **Accuracy:** ±0.02% Voltage/Current, ±0.04% Energy
- **Meter Forms:** 1S, 2S, 12S, 16S, 14S, 15S, 17S, 25S
- **Phantom Load:** 1A–50A, 0°–360° phase angle
- **Weight:** 5.4 lbs. (tester); 13.6 lbs. fully loaded with case
- **Power:** 120V–480V pass-through; USB-C DC mode for data access

Precise and Portable Field Meter Testing for Self-Contained Meters





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- **Connectivity:** Handheld, Ethernet, Wi-Fi Access Point, Mobile App
- **Data Storage:** 1,000+ test results; TESCO Device Manager (TDM) compatible
- **Safety:** 600V-rated fusing, surge suppression, interlock system

KEY BENEFITS

Portable & Lightweight

Weighing less than 6 lbs., the T3 is engineered for easy transport and rapid deployment in the field—ideal for technicians who navigate multiple sites each day.

Fast & Accurate Testing

Perform complete self-contained meter tests—including true three-phase—with real-time, actionable results.

User-Friendly Design

A movable neutral tab simplifies meter engagement across numerous socket configurations, and the circular form factor fits seamlessly into self-contained meter bases.

Built for Field Conditions

The rugged molded case with pre-formed protective foam and a watertight seal ensures your equipment stays protected throughout transport, storage, and field operation.

Safety-Driven Construction

Integrated 600V fusing, surge suppression, and mechanical interlocks help prevent unsafe operation and protect both technician and equipment.

PRODUCT FEATURES

High-Accuracy Metrology

An integrated 3-phase watt-hour standard supports phantom load testing with precision normally reserved for laboratory environments.

Advanced Connectivity Options

Operate the T3 using the durable TESCO handheld remote, or control it wirelessly via the TESCO Mobile App. The unit also provides Ethernet connectivity and a Wi-Fi Access Point for remote access.

TESCO Device Manager Integration

All tests, results, and field data can be synchronized, reviewed, and managed through TESCO Device Manager (TDM), enabling a streamlined workflow from field to office.

Integrated Power System

The T3 draws power directly from the installation under test—eliminating the need for internal charging or battery management.

USB-C DC power mode enables technicians to retrieve stored results even without an AC supply.

Field-Proven Durability

TESCO's hard-shell case withstands the demands of utility environments, protecting the tester and its accessories through daily transport and exposure to harsh field conditions.

SPECIFICATIONS

Mechanical & Environmental

- **Tester Dimensions:** 6.9" (diameter) × 7.2" (length)
- **Tester Weight:** 5.4 lbs.
- **Handheld Dimensions:** 10.8" × 4.8" × 1.6", 1.6 lbs.
- **Carrying Case:** 16.9" × 14.1" × 9.3", 6.2 lbs. (13.6 lbs. fully loaded)
- **Operating Temperature:** -4°F to 122°F (-20°C to 50°C)

Electrical & Power

- **Input Voltage:** 120V–480V AC, single or polyphase pass-through
- **Phantom Load:**
 - ◇ **Current:** 1A–50A



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- ◇ **Phase:** 0°–360°
- ◇ **Harmonics:** 0–50th
- ◇ **Frequency:** 45–65 Hz
- **Power Consumption:** ≤75W (max 72W per brochure quick spec)

Metrology

- **Accuracy:**
 - ◇ **Voltage/Current:** ±0.02%
 - ◇ **Energy:** ±0.04%
- **Optic Pulse Detection:** Slow and fast up to 2 MHz
- **Integrated Standard:** 3-phase watt-hour standard

Safety & Compliance

- 600V-rated fuses
- Surge suppression (IEC 61010-1)
- Mechanical interlock prevents live jaws engagement without a meter

Connectivity & Interface

- **Ports:** USB, Ethernet, Optical Pickup (1037-DIN), Handheld Comm
- **Wireless:** Wi-Fi Access Point
- **Software:** THD Handheld / Mobile App compatible
- **Data Storage:** 1,000+ test results in onboard database
- **TDM Integration:** Full compatibility with TESCO Device Manager

Meter Compatibility

- **Compatible Forms:** 1S, 2S, 12S, 16S, 14S, 15S, 17S, 25S
- **Neutral:** Configurable neutral tab for flexible field scenarios

INCLUDED ACCESSORIES

- TESCO Hard Carrying Case with protective foam interior (A)
- Optic Pickup 1037-DIN (B)
- 2S Meter Adapter Collar (C)
- **Wireless Operation:** Mobile application (for Android or iOS) (D)
- **Spare Fuses:** 5A, 600V 3AB type
- User Manual

OPTIONAL ACCESSORIES

- Handheld Interface Device (E)
- 600×480 LCD
- Capacitive touch screen
- Integrated barcode scanner
- Includes 6' communication cable

